



“weapon7” diffuser - installation guide



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2014+ Corvette Stingray

Thank you for purchasing our “weapon7” diffuser! All of our products are designed and handmade in the USA! Installation is very simple as we reuse all of the factory mounting holes and hardware.

You will need:

- 7mm and 10mm socket and wrench and extension
- Torx T15 drive
- Plastic trim panel removal tools
- Painters tape or masking tape
- 3M Two sided tape and rubbing alcohol - optional but recommended as this provides a gasket-like surface between the spoiler and clear coat
- creeper always helps for lower bolts on diffuser/bumper, but no jack or lift is needed

Note: If you don't currently have a factory GM spoiler, you will be required to drill holes to mount this. If you're uncomfortable with this, please consider using the help of a professional!

Step 1: Starting with a clean car, pop the hatch and unscrew the two hatch net hooks, one on each side. This will allow you to pop the inner plastic panel inside the hatch. You don't want to remove it, just tip it forward. You are only moving this to reveal the trunk latch cable. You need to unhook this from the latch mechanism.

Step 2: Next you'll remove the rubber trim piece that is closet to the paint. Use your flat trim panel remover to slide in there and pop the panel out horizontally. This is just held



in by clips so start at one end and work your way to the other and it pops straight out to reveal the T15 Torx screws that need to be removed.



Step 3: Now you can remove the tail light bezels. Using a tool with a hook on the end helps to pull the mesh between the louvers in one corner. It's pretty resilient and just held in by clips, so apply pressure till it pops out and then slowly work your way around the lights removing one clip at a time. This will allow you to remove the two T15 torx screws on the upper inner tail light areas. A flashlight might be needed to see them.



Step 4: Remove the rear license plate to unveil the two 10mm bolts to be removed. Below the rear plate and above the exhaust tips, you will see two more 10mm bolts you need to remove as well. Next remove the ten 7mm bolts on the bottom of the lower bumper valence.



Step 5: Now you can remove the rear splash guards. They just snap in, so all you need to do is pop them forward towards the tire with the trim panel removal tool. This will allow you to remove the four additional T15 torx screws behind the splash guards in the back of the rear wheel wells.



Step 6: The entire upper/lower rear bumper assembly is now ready to come off, tail lights attached! There are three push clips on each side of the upper part of the bumper. You need someone to assist you in pulling the bumper off evenly on each side as it will need to be propped up while the electrical harnesses are unconnected and the trunk release cable is fished through. Also, make sure you have a clean padded space to be able to gently set the rear bumper assembly down upon.



Note: If you're installing the weapon7 spoiler, refer to Step 7 in the spoiler install instructions if you started with the diffuser instructions first.

Step 7: Now you will need to remove the lower bumper valence from the upper to install the weapon7 diffuser. Remove the reflectors with a flat head screw driver to gain access to the four 10mm bolts underneath them. Remove these and then the two 10mm bolts in the center as well. Using a flat trim panel remover, slowly pry the push tabs apart one by one. When you get to the edge, you will need to remove the plastic vents that have push tabs attached to the upper and lower bumper valence as well.



Step 8: Next use a flat head screw driver to release the tabs of the exhaust heat shield from the lower bumper and slide it out of the OEM lower bumper valence. You will need to swap this into the new weapon7 diffuser next.



Step 9: You're now ready to install the weapon7 diffuser! The installation is just like the OEM diffuser; however, you will notice the carbon fiber diffuser isn't as flexible. **In order to protect the paint on the upper bumper cover when fitting together put painters or masking tape along the upper rear bumper cover where the carbon fiber diffuser meets it to ensure the carbon fiber doesn't rub against the paint when marrying the two.** The upper bumper cover and the diffuser will be assembled together before putting back on the car. Follow the above removal instructions in reverse with just a couple of minor changes.



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Notes:

Plastic Vents - When installing the plastic vents, use zip ties on the back of them to keep them in place. Do the inner part of the vents first to attach to the carbon fiber diffuser and then wait till the rest of the part is bolted down and lined up before zip tying the back of the outer side of the plastic vents.



Bolts behind the reflectors - before you put the reflectors back into the diffuser and before you put the bolts in to attach the upper and lower bumper together, you will put the metal brackets into the lower diffuser to to add stability when you tighten the bolts down. Make sure these go on the **OUTSIDE** of the diffuser, not between the upper and lower bumper inside. Basically, they'll push the reflectors only out slightly.



Step 10: Lastly the plastic access cover on the lower driver side, left of the license plate needs to be removed from the OEM lower bumper valence and put on the weapon7 diffuser.

